

$^{66}\text{Co}$        $Z = 27$        $N = 39$       adopted link      ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 567.992 ( 0.014) MeV

Qbeta- = 9.598 ( 0.014) MeV

|        | Energy T | J+ | J- | J-other    | T1/2        |
|--------|----------|----|----|------------|-------------|
| 66Co 1 |          |    |    | 0.000 (3+) | 1 0.20 S 2  |
| 66Co 2 |          |    |    | 0.175 (5+) | 2 1.21 US 1 |
| 66Co 3 |          |    |    | 0.390      | 3           |
| 66Co 4 |          |    |    | 0.642 (8-) | 4 100 US GT |
| 66Co 5 |          |    |    | 0.000 (3+) | 5 0.20 S 2  |

S-p = 12.480 ( 0.015)-----

S-n = 5.295 ( 0.014)-----

S-2p = 27.997 ( 0.014)-----

S-2n = 12.759 ( 0.024)-----

S-alpha= 10.310 ( 0.015)-----

S+p = -14.623 ( 0.014)

S+n = -6.985 ( 0.015)

S+2p = -23.736 ( 0.014)

S+2n = -11.377 ( 0.014)

S+alpha = -8.993 ( 0.014)

gap p = -2.143 ( 0.021)

gap n = -1.690 ( 0.021)

gap 2p = 4.261 ( 0.020)

gap 2n = 1.382 ( 0.028)

gap alpha = 1.317 ( 0.021)